

BayStack 380 Switch



Overview

Ideal for medium and large enterprises, Nortel Networks BayStack* 380-24T Switch is designed to provide high-density high-bandwidth connectivity to desktops, other switches, servers, and other network devices. This Layer 2 switch with 24 10/100/1000 Mbps auto-sensing ports and four SFP (Small Form Factor Pluggable) GBIC (Gigabit Interface Converter) ports provides high-density Gigabit connectivity to power-user desktops for high-speed applications such as graphics, multimedia, and CAD/CAM. It is a resilient solution that minimises capital and operational expenses. Its robust security features offer protection against unauthorised access to data traffic.

Customer Profile

- Small to large single-site or multi-site enterprises looking for Gigabit connectivity to desktops or high bandwidth aggregation switches
- Buyers who demand quick installation, high performance and a cost effective solution
- Customers looking to simplify the management of their network with a simple Layer 2 Gigabit core

Defining needs


- Are your users experiencing slow application and response time?
- Do you have power users requiring Gig power to the desktop?
- Are you suffering from slow server or application access?
- Are you looking for an aggregation or core switch that is easy to install and use?
- Do you have multiple, distant offices (up to 70 km) that need to share resources?
- Are you concerned about cost when considering switching purchase?
- Do you want Gigabit performance without the investment in a chassis based switch?
- Do you expect your business to grow and the associated traffic in your network within the next 6-18 months?

Key Points

- High density high bandwidth desktop switching
- Dual 24 Gb switch fabrics
- Simple installation
- Cost effective L2 switch for server farms, aggregation or small to medium core
- Multi-link Trunking for high bandwidth load-balanced connections
- Secure access and data traffic protection
- Common software lowers training and installation costs

Features and Benefits

- **High-density High-bandwidth desktop switching** – 24 10/100/1000BASE-TX RJ-45 auto-sensing ports and four built-in SFP GBIC ports for dedicated uplink connectivity to other switches, servers, or the network core such as Nortel Networks Passport 8600 Switches. Ports 21 through 24 may be configured as either 10/100/1000BASE-TX ports or SFP GBIC ports in any combination.
- **Cost-effective Layer 2 Switch for Server farms** – The BayStack 380-24T Switch allows customers to aggregate servers without the need to purchase an expensive modular Layer 3 switch.
- **Resilient connectivity for minimal network downtime** – MultiLink Trunking (MLT) enables grouping of links between the switch and another switch or server to provide greater bandwidth of up to 8 Gbps with active redundant links. This feature provides load-balancing and automatic fail-over protection. Passport 8600's Split



MultiLink Trunking (SMLT) eliminates single points of failure in the network and allows BayStack 380s to have multiple active connections to the network core.

- Secure access and data traffic protection – Features include BaySecure, Radius, IP Manager List, Access List, SNMP v3, and password protection. Nortel Networks is the only major vendor to support SNMPv3 protocol for user authentication and data encryption.
- **Common software lowers training and installation costs** - All BayStack switches, including

the BayStack 470-48T, have a common "look and feel" which reduces training costs. These tools include Web, Command Line Interface (CLI), menus, Optivity Network Management System (NMS), Optivity Switch Manager (OSM) and Optivity Policy Services (OPS).

- **Save money and time with Auto MDI/MDIX feature** - This feature eliminates the need for expensive cross-over cable while connecting to a hub or switch. The switch port automatically can detect the signal on the cable and configures itself appropriately.

Ordering Information

For further information, please contact your local Nortel Networks Representative.